

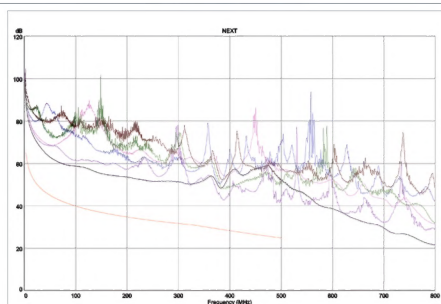
## Augmented Category 6 S/FTP 100 Ohm Modular Cords

## Transmission Properties and Electrical Specifications

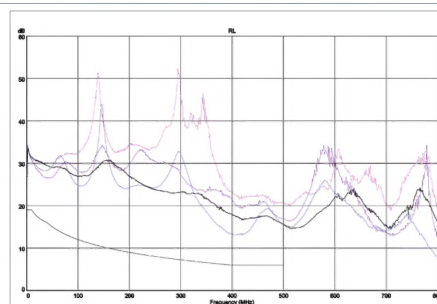
| FREQ. | Min. NEXT |          |          |           | Min RL |
|-------|-----------|----------|----------|-----------|--------|
| MHz   | dB        |          |          |           | dB     |
|       | 1 m cord  | 2 m cord | 5 m cord | 10 m cord |        |
| 1.0   | 65.0      | 65.0     | 65.0     | 65.0      | 19.8   |
| 4.0   | 65.0      | 65.0     | 65.0     | 65.0      | 21.6   |
| 8.0   | 65.0      | 65.0     | 65.0     | 64.8      | 22.5   |
| 10.0  | 65.0      | 65.0     | 64.5     | 63.0      | 22.8   |
| 16.0  | 62.7      | 62.0     | 60.5     | 59.1      | 23.4   |
| 20.0  | 60.7      | 60.1     | 58.7     | 57.3      | 23.7   |
| 25.0  | 58.8      | 58.2     | 56.8     | 55.4      | 24.0   |
| 31.25 | 56.9      | 56.3     | 54.9     | 53.6      | 23.0   |
| 62.5  | 51.0      | 50.4     | 49.2     | 48.1      | 20.0   |
| 100   | 47.0      | 46.4     | 45.4     | 44.5      | 18.0   |
| 200   | 41.1      | 40.7     | 39.9     | 39.3      | 15.0   |
| 250   | 39.3      | 38.9     | 38.1     | 37.7      | 14.0   |
| 300   | 36.4      | 36.2     | 35.9     | 35.8      | 12.8   |
| 400   | 31.8      | 31.9     | 32.1     | 32.5      | 10.9   |
| 500   | 28.2      | 28.4     | 29.0     | 29.8      | 9.5    |

|                          |   |
|--------------------------|---|
| Characteristic Impedance | 100±6 Ohm @ 1-500 MHz                               |
| Contact Resistance       | 20 mOhm max.  |
| Resistance unbalance     | 2% max.   |
| Voltage rating           | 72 Vdc max.   |
| Dielectric strength      | 1000 Volts/1 minute min rms                         |
| Ampacity                 | 1.0 Amps max.                                       |
| Insulation Resistance    | 500 MOhm min. @ 500 Vdc                             |
| Coupling attenuation     | 85 dB min @ 30-100 MHz 85-20log(f/100) @100-500 MHz |
| Transfer Impedance       | 10mOhm/m max @1-10 MHz 30 mOhm/m max @30 MHz        |

Typical NEXT Loss



Typical Return Loss



## Ordering Information

| HCS P/N      | Description                                 | Length (m) | Notes |
|--------------|---|------------|-------|
| T6A-00470-10 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 1.0        |       |
| T6A-00480-10 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 1.0        |       |
| T6A-00470-20 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 2.0        |       |
| T6A-00480-20 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 2.0        |       |
| T6A-00470-30 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 3.0        |       |
| T6A-00480-30 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 3.0        |       |
| T6A-00470-50 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 5.0        |       |
| T6A-00480-50 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 5.0        |       |
| T6A-00470-70 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 7.0        |       |
| T6A-00480-70 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 7.0        |       |
| T6A-00470-00 | 4x2x26# S/FTP CAT 6A PVC Modular Cord Grey  | 10         |       |
| T6A-00480-00 | 4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey | 10         |       |

**Note:** Standard color: Light Gray RAL 7035. Other colors available for selection from Color Table No. 6.